



ZENICONE[®] XQ

Zenicon[®] XQ is a multifunctional water and alcohol soluble cationic polymer with a molecular weight of 6,000 that is derived from of castor oil, a polyquaternium and dimethicone copolyol. It goes clear into formulas, and provides an efficient delivery system to the skin and hair. Zenicon[®] XQ is non ionic and compatible with cationic and anionic surfactants systems, plus it helps to boost and stabilize foam, also reduces drainage to produce creamier products. In OW and W/O systems Zenicon[®] XQ acts as a coupler, and improves the post rinse after feel in skin and sun applications. This product can be used in place of Zenicon[®] XX when cationic properties, and/or conditioning attributes are required.

TYPICAL PROPERTIES

Appearance at 25 °C: Clear Yellow Liquid

Colour (Gardner): 6 Max

Acid Value (ml KOH/g): 5 Max

Refractive Index: 1.45 to 1.49

GLOBAL DESIGNATIONS

Adopted INCI Name:
PEG-8 Dimethicone, PEG-8 Ricinoleate, Polyquaternium-57

CAS Reg. No.: 68937-54-2, 9004-97-1, 341536-96-7

EINECS: Polymer Exempt

ECOCERT: N/A

Canada (DSL): Pending

China (IECSC): Pending

Australia (AICS): Pending

Korea (ECL): Pending

Japan (ENCS): Pending

STORAGE AND PACKAGING

Zenicon[®] XQ has a normal shelf life of 36 months when stored in sealed unopened containers in a cool dry location at temperatures between 15°C and 25°C.

Zenicon[®] XQ is available in 16 kg pails and 100 kg drums.

SOLUBILITY AND COMPATIBILITY (Zenicon[®] XQ @ 10% & Solvent @ 90%)

Solvent	50 °C	25 °C
Water	SOLUBLE	SOLUBLE
Glycerin (96%)	DISPERSIBLE	INSOLUBLE
Propylene Glycol	SOLUBLE	SOLUBLE
Mineral Oil	INSOLUBLE	INSOLUBLE
Isopropyl myristate	INSOLUBLE	INSOLUBLE
Cyclomethicone	INSOLUBLE	INSOLUBLE
Octyl palmitate	INSOLUBLE	INSOLUBLE
Safflower Oil	INSOLUBLE	INSOLUBLE
Ethanol (95%)	SOLUBLE	SOLUBLE

APPLICATIONS

Skin Care:

Liquid Soaps, Body Washes, Lotions, Creams, and Moisturizers.

Sun Care:

Spray on Creams and Sunscreen lotions.

Hair Care:

Clear gel Shampoos, Conditioners, and 2 in 1 shampoos.

Typical Use Levels: 0.25 to 4.00 %

